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**From:** Bernier, Roberto [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=82182081928A488BBA9EB78DF33E7841-BERNIER, ROBERTO]  
**Sent:** 2/15/2018 10:17:00 PM  
**To:** Murdock, James [Murdock.James@epa.gov]  
**CC:** Bryant Smalley [Smalley.Bryant@epa.gov]  
**Subject:** RE: Air Monitoring Data  
**Attachments:** Harvey Report V5-\_Redacted prt.pdf; Harvey\_data\_workbook\_v2-redacted.pdf; Harvey ASPECT data field definitions.pdf

James attached are:

- The ASPECT Harvey report including Arkema chemical detection information and how it was obtained (is watermarked DRAFT but is considered final).
- The workbook that shows details of each individual flight per chemical detected (lat/long, time of reading in UTC time, elev, etc.)
- The instruction on how to read the flight files.

I have redacted and/or remove anything that would indicate results from flights over any particular commercial facility other than Arkema. Thxs, Roberto.

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**From:** Bernier, Roberto  
**Sent:** Thursday, February 08, 2018 4:19 PM  
**To:** Murdock, James <Murdock.James@epa.gov>  
**Cc:** Bryant Smalley <Smalley.Bryant@epa.gov>  
**Subject:** RE: Air Monitoring Data

James, I'm working with the flight guys (ASPECT) to get the compete flight data. Going over the final draft ASPECT report for the entire Harvey response (including Arkema) there is not a detection for acrolein or phosgene anywhere. The report include a table indicating the airplane equipment detection limit capability for chemical compounds, which indicate a detection limit for acrolein of 8 ppm but that's not a result. I'll let you know when I get all the info. thxs

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**From:** Murdock, James  
**Sent:** Thursday, February 08, 2018 10:35 AM  
**To:** Bernier, Roberto <[bernier.roberto@epa.gov](mailto:bernier.roberto@epa.gov)>  
**Subject:** FW: Air Monitoring Data

Roberto,

Thanks for providing the Arkema air monitoring data. As you can see below, Arkema's attorney is also requesting our flyover data. Is that available?

Thanks again,

James

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**From:** Amandes, Christopher B. [<mailto:christopher.amandes@morganlewis.com>]  
**Sent:** Tuesday, February 06, 2018 6:07 PM  
**To:** Murdock, James <[Murdock.James@epa.gov](mailto:Murdock.James@epa.gov)>  
**Subject:** RE: Air Monitoring Data

James,

Thank you, this is helpful. However, what would be more helpful and what I was hoping we could get were the results of EPA's flyover data. It may be that data is so voluminous that only the summary table EPA previously provided (attached) can provide any useful information.

It may be helpful to understand the genesis of this request. It comes as a result of a statement made by a Harris County Assistant District Attorney that he has a copy of EPA's flyover data and it shows a 8 ppm hit of acrolein and another hit (he did not specify how much) of phosgene at an elevation 2500 feet above the Arkema Crosby facility. I do not know how he came across this information, and I am skeptical that the Crosby plant could have been a source of acrolein or phosgene emissions. However, if the full set of EPA's flyover data is available, we would like to obtain it.

With respect to your question about the elevations of the back-up generators at Crosby, here is that data. All of the referenced elevations below are based on a Harris County Flood Control District disk in concrete located on the south side of Methvin Road, about 0.35 miles east from its intersection with La Due Road, with a published elevation of 50.03 feet, NAVD 88, 2001 Adjustment.

#### Administration Building

Generator 4-GN-1	Pad elevation: 51.49'	Natural ground: 50.47'
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Generator 4-GN-2	Pad elevation: 52.00'	Natural ground: 49.96'
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#### Temperature Controlled Product Storage

Generator 21-GN-1	Pad elevation: 52.97'	Natural ground: 51.07'
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#### MPU Motor Control Center (MCC)

Generator 32-GN-1	Pad elevation: 53.40'	Natural ground: 52.89'
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#### Wastewater Treatment Plant Motor Control Center (MCC)

Generator 39-GN-1	Pad elevation: 52.18'	Natural ground: 51.38'
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#### MPU Thermal Oxidizer

Generator 43-GN-1	Pad elevation: 53.54'	Natural ground: 53.34"
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Please let me know if you have any questions.

**Chris**

**Christopher B. Amandes**

**Morgan, Lewis & Bockius LLP**

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**From:** Murdock, James [<mailto:Murdock.James@epa.gov>]

**Sent:** Tuesday, February 06, 2018 11:01 AM

**To:** Amandes, Christopher B. <[christopher.amandes@morganlewis.com](mailto:christopher.amandes@morganlewis.com)>

**Subject:** Air Monitoring Data

[EXTERNAL EMAIL]

Chris,

I've attached the data I received from our on-scene coordinator. These data are from EPA contractors and from Liberty County.

James Murdock  
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